

DAILY FIELD ACTIVITY REPORT

PROJECT NAME: Pre-Remedial Design Investigation and Baseline Sampling, Portland Harbor Superfund Site

| | |
|--|--|
| DATE: July 27, 2018 | WEATHER: Sunny, High of ~95 degrees F |
| Personnel and Visitors Onsite: CDM Smith: Jason Silvertooth; AECOM: Mark Tauscher, Andy Clodfelter; NRC: Bob Hyle, Dave Glad | |
| Planned Activity: <ul style="list-style-type: none">Retrieve moorings and acoustic receivers, download data collected so far during fish tracking, and redeploy moorings and acoustic receivers. | |
| Activity Completed: <p>A tailgate safety meeting was led by AECOM. Topics discussed during the safety meeting included hot weather, sun protection, hydration, required PPE, safe operation of the grapple hook, and heavy boat traffic.</p> <p>Jason Silvertooth performed oversight of acoustic receiver retrieval, data downloads, and redeployment from 7:00 to 16:40 on board the NRC vessel Next Generation. Specific activities completed by AECOM, with vessel support from NRC and technical support from ATI-Vemco, are as follows:</p> <ul style="list-style-type: none">GPS position checks with the handheld unit were performed at the beginning and end of the day at the PH-1 control point adjacent to the Swan Island boat ramp parking lot.Data from fish acoustic tracking receivers were downloaded at 5 locations. At each location, the acoustic receivers and moorings were retrieved, sediment was rinsed from the moorings while they were suspended over the side of the boat, then the data was downloaded from receivers. At some locations the receivers were retrieved by accessing the cable that is anchored to the shore, and at other locations they were retrieved using a grapple hook because the acoustically-actuated buoy did not release. Data was downloaded by connecting directly to the receiver, and a brief check of data was conducted to verify the receivers were detecting signals from fish tags and other receivers over the entire deployment period. Following data download, receivers were redeployed at the approximate location they were retrieved, and a GPS coordinate was collected using the handheld GPS unit. A surface communication test was performed with the acoustic hydrophone to verify the receivers were detecting acoustic signals and that the tilt angle was low (i.e., approximately 15 degrees or less). | |
| Status of Schedule & Priority Work: <ul style="list-style-type: none">Data from 32 of the 34 acoustic tracking receivers have been downloaded and the receivers redeployed, and the remaining 2 could not be accessed because the acoustically-actuated buoy did not release and attempts to retrieve the receivers with a grapple hook were unsuccessful. Data downloads are complete for this round of data downloads, and AECOM field personnel indicated they would coordinate with project management on the approach for the 2 locations where receivers were not retrieved. The 2 locations that could not be retrieved (PDI-AR-A13 and PDI-AR-A07) are circled in blue in Figure 1. | |
| Issues/Concerns/Resolutions (include work performed that was not planned or anticipated): <p>At locations PDI-AR-A13 and PDI-AR-A07 the acoustically-actuated buoy did not release and attempts to retrieve the receivers with grapple hooks were unsuccessful. Data were not downloaded at these locations during this round of data downloads.</p> | |
| Samples Collected, Measurements Made, Photographs: (List Locations, Matrix & Sample type): <p>Data was downloaded from acoustic receivers at the locations below. Locations downloaded on 7/27/18 are circled in purple on Figure 1.</p> <ul style="list-style-type: none"><u>Locations retrieved with a grapple hook:</u> PDI-AR-A08, PDI-AR-A31<u>Locations with cable anchored to shore:</u> PDI-AR-A03, PDI-AR-A04, PDI-AR-A05 <p>Photographs of work were taken throughout the day on board the NRC vessel and provided to EPA via email. Additional photos were taken and archived with a description included in the photolog Excel spreadsheet, which are maintained electronically in the ProjectWise project folder.</p> | |

| | |
|--|---------------|
| | |
| Borings Completed (Include total footage drilled for each boring): None | |
| Wastes Generated and How Handled: <ul style="list-style-type: none"> Sediment on the moorings was rinsed into the river while the mooring and receiver were suspended over the side of the boat, and no NAPL or sheen was encountered. Disposable gloves, paper towels, and other general trash was containerized in a trash bag and removed at the end of the day for disposal in a municipal waste management dumpster. | |
| Health and Safety Issues, Equipment Needs, Staffing: None | |
| Signature: | DATE |
| Jason Silvertooth | July 27, 2018 |

